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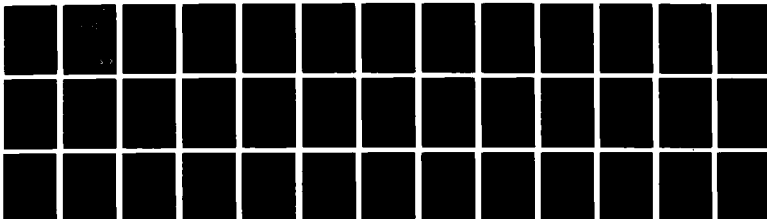
OPERATIONAL DEFINITIONS OF LABOR AND DELIVERY NURSING
ACTIVITIES(U) NAVAL SCHOOL OF HEALTH SCIENCES BETHESDA
MD J P BUSSEY ET AL. JUL 87 NSAS-RR-4-87

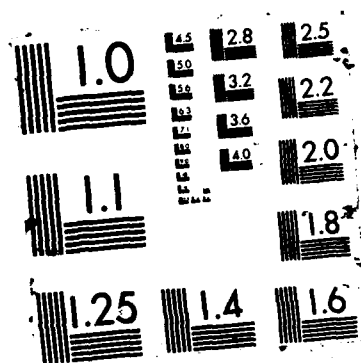
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Naval School of Health Sciences

Research Department

Bethesda, MD 20814 5033

Report 4 87 July 1987



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Operational Definitions of Labor and Delivery Nursing Activities

An Extension of the Workload
Management System for
Nursing Project

LCDR Jane P. Bussey, NC, USN
CDR Carolyn S. Warren, NC, USN

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) This manual identifies, categorizes, and codes common labor and delivery nursing care activities in preparation for timing and work measurement. This information will identify activities critical to the determination of nursing and Hospital Corps staffing levels in Labor and Delivery Departments of Naval medical treatment facilities.					
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OPERATIONAL DEFINITIONS
OF LABOR AND DELIVERY
NURSING ACTIVITIES

An Extension of the Workload Management
System for Nursing
Ambulatory Care Project

Report 4-87

July 1987

LCDR Jane P. Bussey, NC, USN
CDR Carolyn S. Warren, NC, USN

Naval School of Health Sciences
Research Department
Bethesda, MD 20814-5033

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THE CODING SYSTEM OF THE
LABOR AND DELIVERY
NURSING CARE ACTIVITIES

The Workload Management System for Nursing (WMSN) is a patient classification/staffing system operational in the medical, surgical, critical care, and pediatric inpatient areas of 36 Navy and 50 Army hospitals. Current research (FY 86-87) will extend the WMSN into the emergency and outpatient departments. This report documents the preliminary extension of the WMSN into the Labor and Delivery area.

A 1984 unpublished study by LCDR Joyce Campany, NC, USN, at Naval Hospital, Cherry Point, North Carolina, and CDR Marie Rossi, NC, USN, at Camp Pendleton, California, provided the impetus for the project. The present report also utilized activities delineated in the Nursing Army Care Hours Standards study (Sherrod, Rauch, and Twist, 1981). The direct care nursing activities have been operationally defined and coded with a four-digit code for the purpose of determining standard mean times for use in a patient classification instrument for staffing.

Definitions of those activities previously described in the Sherrod study also include a five or six digit code (Sxxxx or Sxxxxr) in order to simplify later comparisons of time measurements (see Appendix A).

The four digit code captures the following information: first digit: the clinical area (A-Z); second digit: the general

category or type of activity (#1-9 plus 0); and third and fourth digit, the direct care activity number (#1-99). For example, Z003 refers to Z (Labor and Delivery), 0 (specialty procedure), 03 (amniotomy). Some activity codes are labeled with other letters, such as E (Emergency Dept) or M (Obstetric-Gynecology Clinic), identifying procedures that were previously coded in the ambulatory care research project (Warren, Sturm, and Styer, 1967). In the ambulatory care study, general procedures common to many areas were labeled with an initial code letter "x" which was replaced by each clinical area's code letter. In the Labor and Delivery study, the code letter "Z" will replace the "x" in general procedures. Specialty coded activities will retain their original code letters. (See Appendix B)

Eleven categories of direct care activities in Labor & Delivery were developed to simplify locating codes of various activities for time and motion studies.

Obstetric
General Procedures
Mobility
Psychological
Weights/Measures
Nutrition

Elimination
Medications/IV Therapy
Diagnostic Tests
Cardiopulmonary
Emergency Procedures

The operational definitions will not state but should be understood to incorporate the following:

- (1) necessary medications, supplies, or equipment are gathered, equipment is calibrated, appropriate preliminary paperwork is accomplished, and hands are washed;
- (2) the patient is identified correctly and appropriately screened for privacy;
- (3) the person giving the care explains to the patient or significant other what the caregiver is going to do;
- (4) the transportation of specimens, chart, or the patient is accomplished
- (5) equipment is removed (when indicated), the patient care area is straightened, and hands are washed;
- (6) observations and procedures are documented.

OBSTETRIC

CODE

- Z001 ADJUST ULTRASONIC TRANSDUCER/TOCOTRANSDUCER: (S2435)
- Z002 AMNIOCENTESIS, ASSIST: explain procedure to patient. Obtain written consent from patient. Assist patient to supine or semi-recumbent position. Obtain baseline maternal and fetal vital signs. Assist provider as needed, maintaining aseptic technique. Collect specimens and send to laboratory. (S 2424 r).
- Z003 AMNIOTOMY, ASSIST: position patient for procedure, assess maternal and fetal vital signs; assist provider with procedure. (S 2423)
- Z004 CESAREAN SECTION, ASSIST: identify the patient, review chart, obtain permit, prep patient, transport patient to OR, assist patient to table and reposition, assist physician, circulate, set-up instrument tray; drape patient, assist with newborn care; provide opportunity for family bonding, and assist significant other as needed, label pathology specimen.
- Z005 CHANGING PERINEAL PAD: assess amount of bleeding, change perineal pads.
- Z006 COMFORT MEASURES: wash patient face and hands, assist with oral hygiene, offer ice chips, provide back rubs as needed, assist with position changes; assist to the bathroom or offer the bedpan; give partial bed bath or assist to the sink for a partial bath, with change of hospital gown.
- Z007 DILATATION AND EFFACEMENT ASSESSMENT, ASSIST: position patient for procedure, assist provider with the examination. (S 2404 r)
- Z008 DILATATION AND EFFACEMENT, INITIAL CHECK AND INTAKE, ASSIST: review patients' records. Obtain history. Escort patient to the exam room. Obtain urine specimen, dipstick for sugar and protein; obtain an actual weight; position on examination table; obtain maternal and fetal vital signs; assist with vaginal examination; prep and administer enema as required. (S 2434 r)

CODE

- Z009 DILATATION AND EFFACEMENT, INITIAL CHECK and INTAKE (RN): review patient's outpatient record, obtain history, obtain maternal and fetal vital signs, obtain urine specimen, perform urine dipstick for S & A, obtain an actual weight, perform a sterile vaginal exam or sterile speculum exam if appropriate, administer enema if appropriate. (S 2403 r)
- Z010 DILATATION AND EFFACEMENT LABOR CHECK WITH VITAL SIGNS (RN): reposition the patient, give information about the exam, perform the exam, reposition the patient as needed, readjust the fetal monitor as needed, take B/P, temperature, pulse, respirations.
- Z011 DILATATION AND EFFACEMENT LABOR CHECK WITHOUT VITAL SIGNS (RN): position patient for procedure, perform vaginal examination for assessment of dilatation level and effacement. (S 2403 r)
- Z012 FETAL ELECTRODE INSERTION, ASSIST: position patient, assist provider with procedure, secure monitor leads to leg plate to patient's lower extremity, connect equipment, assess and record fetal heart rate. (S 2406 r)
- Z013 FETAL ELECTRODE INSERTION (RN): position patient, insert fetal electrode, secure monitor leads to leg plate to patient's lower extremity, connect, assess and record fetal heart rate. (S2405r)
- Z014 FETAL ELECTRODE INSERTION/INTRAUTERINE CATHETER INSERTION, ASSIST: position patient for procedure, secure monitor leads to patient's lower extremity, assess and record fetal heart tones. Set up equipment, assist provider with procedure, connect monitoring equipment, flush intrauterine catheter with sterile water, assess and record uterine contractions. (S 2431 r)
- Z015 FETAL ELECTRODE INSERTION/INTRAUTERINE CATHETER INSERTION (RN): position patient, insert fetal electrode, secure monitor leads to leg plate and secure it to patient's lower extremity, connect, assess and record fetal heart rate. Set up equipment, insert catheter, connect monitoring equipment flush catheter with water, calibrate. (S 2430 r)
- x208 FETAL HEART TONES, DOPPLER: expose abdominal area, assess fetal heart tones utilizing the doptone with lubricant, clean abdomen (S 2413)

CODE

- x209 FETAL HEART TONES, MANUAL: position patient in left lateral or semi-recumber position, find best quadrant for FHT's, place fingers over maternal radial pulse; count fetal heart tones for one minute. (S 2412)
- Z016 FETAL SCALP BLOOD SAMPLE, ASSIST: position the patient, assist the provider, take the sample to the fetal scalp pH machine, obtain the reading or send the sample to the main lab. (S2414r)
- x546 FLEETS ENEMA: position patient, instill enema, provide bedpan, or assist to bathroom.
- Z017 FUNDUS MASSAGE (POST-PARTUM): Upon arrival at bedside, expose patient's lower abdominal area, massage fundus; assess height of uterus and flow of lochia.
- Z018 GENERAL ANESTHESIA, RECOVERY OF POST-PARTUM PATIENT: Monitor VS q 5" until stable, then q 15" x 4, q 30" x 2, q 1 hour x 4 or release from anesthesia, check incision/dressing or episiotomy, check fundus, lochia, bladder, assist patient in coughing/deep breathing, transport to ward.
- Z019 INTERNAL OR EXTERNAL MONITORING - UTERINE ACTIVITY/FETAL HEART TONES: assess and calculate the amplitude and duration of the contractions; record fetal heart rate and contraction findings. (S 2409r)
- Z020 INTRAUTERINE CATHETER INSERTION: position patient, insert catheter, connect monitoring equipment, flush catheter with water; record. (S 2407 r)
- Z021 INTRAUTERINE CATHETER INSERTION, ASSIST: position patient, assist provider with procedure, connect monitoring equipment, flush catheter with sterile water. (S 2408 r)
- Z022 INTRAVENOUS TITRATION OF MEDICATION: check infusion pump operation and IV flow rate, make flow rate adjustments, monitor patient and fetal response.
- Z023 LOCAL ANESTHESIA, RECOVERY OF POST-PARTUM PATIENT: monitor VS q 15" x 4, q 30" x 2; check episiotomy, fundus, lochia, bladder.
- Z024 MANUAL ASSESSMENT OF CONTRACTION: expose abdominal area, place hand over uterus and assess strength and duration of uterine contraction. (S 2410)

CODE

Z025

Z026 MONITORING FETAL HEART TONES, ULTRASONIC TRANSDUCER:
utilizing monitoring equipment, assess fetal heart tones.
(S 2436)

Z027 NEWBORN CARE: provide Apgar assessment, thermoregulation,
identification, airway patency, suction airway, oxygen
therapy as needed, opportunity for family bonding, transfer
to nursery.

Z028 NEWBORN IDENTIFICATION PROCEDURE: Apply bracelets to arm,
leg and monther, obtain foot prints. (S 2425 r)

M004 NIPPLE STIMULATION CONTRACTION TEST: set patient up as for
a non-stress test. Explain procedure to patient; apply
warm wet towels to the patient's breast for a 5-10 minute
period. Obtain baseline for FHT's and uterine activity.
Begin the test, monitoring intermittently. Contact
provider when test is ready for interpretation. When test
is completed, detach patient from monitor.

M005 NON-STRESS TEST: explain procedure to patient. Prepare &
position patient & equipment. Turn on fetal monitor,
recording patient's name, date, time and reason for test.
Instruct patient to depress test button when she
experiences fetal movement. monitor the fetal heart rate's
response to fetal movement. Contact provider when test is
ready for final interpretation. Detach patient from
monitor. (S 2422 r)

Z029 OB SICK CALL: obtain history from the patient, review her
outpatient chart; obtain maternal and fetal vital signs;
measure weight; obtain a urine specimen, perform an S & A;
notify the provider; continue to monitor as needed.

Z030 OBSERVATION/ASSESSMENT/COACHING, SECOND STAGE OF LABOR:
evaluate amplitude and duration of each contraction, assess
fetal heart tones and to encourage proper breathing and
bearing down efforts.

CODE

- M006 OXYTOCIN CHALLENGE TEST: explain procedure to patient and offer emotional support. Obtain written consent. Prepare & position patient and equipment. Record baseline measurements of any contractions, fetal movement and fetal heart rate. Obtain maternal vital signs. If no spontaneous contractions occur, start IV solution with Pitocin piggy-back, (as ordered by physician, continuing to monitor maternal vital signs every fifteen minutes during the procedure). Contact medical officer when test is ready for interpretation; when test is completed, detach patient from monitor. (S 2421 r)
- Z031 PERINEAL SUTURE CARE: cleanse area with antiseptic solution, irrigate with water, dry suture area, and apply heat lamp to suture line. (S 2418)
- Z032 PITOCIN INDUCTION, ASSIST: obtain written consent, assess maternal and fetal vital signs; assist provider with initiation and regulation of pitocin infusion. Assess uterine activity/FHTs. (S 2411r)
- Z033 PITOCIN INDUCTION (RN): obtain written consent, assess maternal and fetal vital signs, attach to fetal monitor, initiate intravenous infusion, regulate flow rate, Assess uterine activity/FHTs. (S 2427 r)
- Z034 POST PARTUM TUBAL LIGATION (PERFORMED ON LABOR DECK, ASSIST): review chart, identify patient, transport patient to OR, assist patient on to the table, reposition, assist physician, prep patient, set up instrument tray, circulate, lab specimens, move patient from table to gurney. Transport to recovery room.
- Z035 REGIONAL ANESTHESIA, RECOVERY OF POST-PARTUM PATIENT: monitor VS q 15" x 4, q 30" x 2; q 1 H x 4; check incision, fundus, lochia, bladder, return of sensation and movement; transport to ward.
- Z036 SUPPORT DURING CONTRACTION: verbally reassure patient, provide touch support as indicated, encourage and demonstrate proper breathing. (S 2402)
- Z037 TEACHING - BREAST CARE: instruct patient on breast care, proper support, and how to recognize minor signs and symptoms of problems that may occur post partum. (S2420r)

CODE

- Z038 TEACHING - BREAST FEEDING: provide instructions on the technique of breast feeding; observe and assist mother during the feeding process to assess proper technique. (S 2426)
- Z039 TEACHING - PERINEAL SUTURE CARE: instruct patient on technique of perineal care, i.e, cleansing suture area. (S 2419 r)
- Z001 TOCOTRANSDUCER/TRANSDUCER, ADJUSTMENT: (see Z001)
- Z040 TOCOTRANSDUCER - APPLICATION: position patient, expose abdominal area, apply tocotransducer, connect to monitoring equipment, assess status of contraction. (S 2428)
- Z041 TOCOTRANSDUCER AND ULTRASONIC TRANSDUCER - APPLICATION: position patient, expose abdominal area, apply tocotransducer and ultrasonic transducer, connect to monitoring equipment, assess status of contractions and fetal heart tones. (S 2432)
- Z042 TOXEMIA CHECKS (RN): perform deep tendon reflex checks, bilaterally, check the optic fundi, question the patient regarding visual disturbances, abdominal, epigastric pain, review B/P and urine S & A.
- M007 ULTRASOUND: prepare patient, instruct patient, carry out invasive sound wave procedure visualizing fetus.
- Z043 ULTRASOUND, ASSIST: position patient, expose abdomen, assist provider, cleanse abdomen.
- M008 ULTRASOUND/BIOPHYSICAL PROFILE, ASSIST: obtain baseline maternal and fetal vital signs, expose the abdomen, assist the provider, clean the abdomen after the test is completed.
- Z044 ULTRASONIC TRANSDUCER - APPLICATION: position patient, expose abdominal area, locate fetal heart tones, apply ultrasonic transducer, connect to monitoring equipment, assess status of fetal heart tones. (S 2429)
- Z045 VAGINAL DELIVERY IN BIRTHING ROOM: position patient, assist patient, significant other and provider as needed, initiate or maintain IV, monitor maternal and fetal VS, provide opportunity for family bonding.

- Z046 VAGINAL DELIVERY IN THE DELIVERY ROOM: move patient to the delivery room, position the patient for delivery, monitor maternal and fetal vital signs (manually) or reconnect fetal monitor, start or maintain IV, assist the patient, significant other, and provider as needed,
- Z047 VAGINAL DELIVERY, RECOVERY OF PATIENT (WITHOUT ANESTHESIA): Monitor VS q 15" x 4; check perineum, fundus, lochia, and bladder.

GENERAL PROCEDURES

CODE

- Z048 AM CARE: assist patient with complete bed bath and oral hygiene. (S0104r)
- Z049 AM CARE, PARTIAL: assist with partial bedbath and oral hygiene. (S0114r)
- Z050 BACK RUB: undress and turn patient to expose back, rub back with lotion, assist as needed with dressing. (S 1617)
- Z051
- Z052 BATHING, COMPLETE: bathe total care patient. (S0101 r)
- Z053 BATHING, SUPPLIES PROVIDED: allow time for self-care patient to bathe and change pajamas. (S0113)
- x513 CATHETERIZATION - FOLEY: using sterile technique, prepare patient and insert Foley Catheter, inflate balloon, tape catheter in position, connect to urinary drainage bag. Obtain urine specimen. (S 1901)
- x724 CATHETERIZATION - STRAIGHT: using sterile technique, prepare patient and insert catheter, empty bladder and remove straight catheter. Obtain urine specimen. (S 1902)
- Z054 CHANGE CHUX: position patient, remove soiled chux, place clean chux under patient, straighten bed. (S0118 r)
- Z055 CHANGE TOP SHEET: replace top sheet with clean sheet. (S0117r)
- x502 COLLECT VALUABLES/PERSONAL EFFECTS: assemble required forms and appropriate number and type of personnel; collect/record valuables and personal effects; secure or carry to designated area.
- E002 DEATH CARE: prepare patient and appropriate identification and documents; cover with a shroud; inventory personal valuables and clothing; complete SL/VSL chit and notify morgue prior to transport of body. (S 1621 r)

CODE

- Z056 FOLEY CATHETER CARE: cleanse area around catheter, apply ointment. (S 1903)
- x514 FOLEY CATHETER REMOVAL: expose catheter and drainage system, deflate balloon and remove catheter, obtain specimen, if required. Measure urine and record on Intake and Output Record. (S 1907)
- Z057 HEAT LAMP: place or position lamp at bedside, expose site, and apply heat lamp. (S 1616)
- E004 ISOLATION, GOWNING AND GLOVING: upon arrival at isolation area, wash hands, put on isolation gown, mask, and gloves; or when departing the isolation area, remove isolation gown, mask, and gloves; then wash hands. (S 1620)
- x529 OCCUPIED BED LINEN CHANGE: turn patient on side, roll linen to one side of bed, replace with clean linen, turn patient to freshly made side of bed, remove soiled linen and complete bed making. (S 0109).
- Z058 ORAL HYGIENE: turn patient to his/her side, cleanse gums, teeth and mouth with applicators; then remove equipment from area. (S0103)
- Z059 PERINEAL CARE: prepare and cleanse perineal area (use bedpan with treatment solution. (S 1906)
- x510 REINFORCE DRESSING: apply dressing to present dressing for reinforcement. (S 1606)
- Z060 SHOWER ASSIST/STAND-BY: assist patient in undressing, into shower, with bath and hair shampoo, assist in dressing, and back into the wheelchair. (S 0115)
- Z061 SITZ BATH: prepare sitz bath equipment, assist patient into sitz bath tub or into bathroom, assist patient from the tub and towel dry, and then assist patient back into bed. (S 1612)
- x539 SURGICAL PREP, LOCAL: prepare skin for prep, shave area specified. (S 1613)
- x548 UNOCCUPIED BED LINEN CHANGE: remove soiled linen, place bottom sheet on mattress, then place top sheet; change pillow cases; remove soiled linen from area. (S 0110)

CODE

- x736 URINE SPECIMEN - FOLEY: collect sample from Foley catheter, label specimen. (S 1905r)
- x617 URINE SPECIMEN - ROUTINE/CLEAN CATCH: instruct patient on how to collect specimen, label specimen. (S 1904)
- x537 VAGINAL/PELVIC EXAMINATION (STAND-BY): assist patient onto examination table, position patient, set up equipment and assist provider with the procedure; than assist patient off the examination table. (S 1910)

MOBILITY

- Z062 ADJUSTING POSITION OF BED: raise, lower or adjust position of bed. (S 0502)
- x401 ADJUSTING RESTRAINT: replace or apply restraints to upper and/or lower extremities. (S 0506)
- x529 ADJUSTING SIDE RAIL: changing position of side rail, i.e., up, down, or removal. (S 0505)
- x531 CHANGING PATIENT'S POSITION IN BED: remove support pillows, reposition patient; apply support pillows. (S0501)
- E003 FOWLERS/TRENDELENBURG POSITION: position patient (bed/gurney) in Fowlers or Trendelenburg position; assess comfort and condition of patient. (S 0507)
- Z063 MOBILITY - AMBULATING FIRST TIME: assist patient into sitting position on side of bed; then into upright standing position; walk with patient; then assist patient back into bed. (S 0401)
- Z064 MOBILITY - ASSIST WHILE WALKING: assist patient into a sitting position on side of bed, then into an upright standing position, then with ambulation, and then back into bed. (S 0405)
- Z065 MOBILITY - BED TO CHAIR: position chair/wheelchair at bedside, assist patient into sitting position, slowly bring patient into an upright or upright standing position; then assist into chair and back to bed. (S 0403)

CODE

- Z066 MOBILITY - BED TO COMMUNE: position chair next to bedside, assist patient into sitting position, slowly bring patient into an upright standing position, assist patient on to commode chair and then assist patient back into bed. (S0404)
- Z067 MOBILITY - BED TO STANDING POSITION: assist patient into sitting position on side of bed, then slowly bring patient into an upright position; then assist back into bed. (S0402)
- Z068 MOBILITY - BED TO STRETCHER: place stretcher at bedside, transfer patient to stretcher, fasten safety straps or adjust side rail, remove stretcher from bedside (or reverse procedure). (S 0504)
- x412 MOBILITY - SITTING ON SIDE OF BED: assist patient into sitting position on side of bed; then assist patient back into supine position. (S 0406)

PSYCHOLOGICAL

- x601 ANSWERING PATIENT'S QUESTION: time spent in answering patient's question or in response to the patient call system. (S 0703)
- x602 EXPLANATION OF PROCEDURES AND TESTS: instruct patient on what one can expect from procedure/test, what the health care personnel will be doing during the procedure/test, and why such procedure/test is being done. (S 0702)
- Z069 ORIENTATION TO CLINICAL UNIT: instruction the use of the nurse's call system, the hospital bed, and the layout of the physical facility. (S 0701)
- x620 VISIT WITH PATIENT/PURPOSEFUL INTERACTION: time spent with patient not in response to patient request or question. (S0704r)

WEIGHT/MEASURES

- x202 AMBULATORY WEIGHT: assist patient onto the scales, balance scales, read and record weight, assist patient off the scales. (S 0901)

CODE

- x203 AUTOMATED BLOOD PRESSURE AND PULSE MONITOR: attach cuff to patient; select parameters and record results at intervals ordered or PRN.
- Z070 BED SCALE WEIGHT: assist patient onto the scales, read and record weight, assist patient off scale. (S 0902)
- x204 BLOOD PRESSURE, MANUAL: place cuff around extremity, position stethoscope, measure blood pressure, remove cuff, record results. (S 0801)
- x216 ORAL TEMPERATURE, PULSE AND RESPIRATIONS: position temperature probe or thermometer. Place fingers over radial artery pulse and count rate. Count respiratory rate while finger are placed over radial artery pulse. Remove fingers from radial artery pulse rate, record results of measurements. (S 0808)
- x217 ORAL TEMPERATURE, PULSE, RESPIRATIONS, & (MANUAL) BLOOD PRESSURE: after positioning temperature probe or thermometer, count respiratory rate while fingers are placed over radial artery pulse. Calculate pulse and respiratory rate ; place cuff around extremity, position stethoscope, measure blood pressure, remove BP cuff and thermometer when completed.
- x219 PULSE - APICAL: place stethoscope over apex of heart and count rate, remove stethoscope, record pulse rate. (S0803)
- x220 PULSE - DOPPLER: place sensor over pulse and area, assess and record pulse rate. (S 0810)
- x221 PULSE - PEDAL/FEMORAL/POPLITEAL: place fingers on the artery pulse and count/record rate. (S 0809)
- x222 PULSE - RADIAL/BRACHIAL: place fingers over pulse and count/record rate, remove fingers from pulse area and record results. (S 0802)
- x223 RECTAL/AXILLARY TEMPERATURE, APICAL PULSE, AND RESPIRATIONS: position probe, measure/record temperature. Place stethoscope over apex of heart and count/record rate. Count/calculate/record respiratory rate. (S0811)

CODE

- x226 RESPIRATIONS: count/calculate/record respiratory rate.
(S0804)
- x227 TEMPERATURE - AXILLARY, ELECTRONIC/MERCURY: place temperature probe or thermometer in axillary area, measure temperature, remove temperature probe or thermometer, record. (S 0807)
- x228 TEMPERATURE - ORAL, ELECTRONIC/MERCURY: place probe or thermometer under tongue, measure/record temperature.
(S0805)
- x229 TEMPERATURE - RECTAL, ELECTRONIC/MERCURY: adjust clothing, insert temperature probe or thermometer in anus, measure/record temperature. (S 0806)

NUTRITION

- x512 FLUID: place plastic drinking tube in liquid, give fluid to patient then remove drinking cup and/or place within reach at patient's bedside. (S 0202)
- x212 MEASURING AND RECORDING INTAKE: place calibrated cylinder/container at bedside; measure or calculate fluids and record amount on Intake and Output record. (S 0208)
- Z071 SERVING MEAL TRAY: place tray at bedside assist as necessary with food and utensils. (S 0204 r)
- Z072 SNACK: place snack at bedside and, if required, prepare food for eating. (S 0203)

ELIMINATION

- x515 BEDPAN, ASSIST: place bedpan at bedside, place patient on bedpan, provide toilet tissue, remove patient from bedpan, cover bedpan, and remove from area. (S 0305)
- x519 INCONTINENT CARE: place equipment at patient's bedside, bathe buttocks, perineum and thighs; change bedding; then remove equipment and soiled linen from area. (S 0307)
- x213 MEASURING AND RECORDING OUTPUT - DRAINAGE BOTTLES ALL TYPES: pour contents from drainage bottle into calibrated cylinder, measure or calculate volume, replace drainage bottle, record amount on Intake and Output Record. (S0304)

CODE

- x214 MEASURING AND RECORDING OUTPUT - LIQUID FECES/VOMITUS: remove bedpan from patient's bedside; measure feces/vomit in calibrated cylinder, record amount on Intake and Output. (S 0302r)
- x215 MEASURING AND RECORDING OUTPUT - URINE: measure or calculate volume, record amount on Intake and Output Record. (S 0301)

MEDICATION/IV THERAPY

- Z073 HEPARIN LOCK (INITIATE): set up Heparin lock, apply tourniquet, cleanse site, perform venipuncture, insert IV catheter, irrigate catheter with normal saline, attach cap, flush with Heparin.
- x809 INTRAMUSCULAR, NARCOTIC: locate site of injection, administer medication; observe patient response.
- x810 INTRAMUSCULAR (NON NARCOTIC): locate site for injection, administer medication. (S 2102r)
- x811 INTRAVENOUS INFUSION - BLOOD, BLOOD PRODUCTS: assure correct transfusion, connect to present intravenous system, record on Intake and Output Record. (S 1514r)
- x312 INTRAVENOUS INFUSION - CHANGE IV CONTAINER: remove used IV container and replace with new IV container. (S 1506)
- x829 INTRAVENOUS INFUSION - CHECK/FIX: assess problem, adjust as needed.
- x813 INTRAVENOUS INFUSION - FLOW RATE: calculate and adjust flow rate as specified. (S 1504)
- x814 INTRAVENOUS INFUSION - INFUSION PUMP SET UP: set up IV tubing and adjust flow rate dial. Record on Intake and Output Record.
- x815 INTRAVENOUS INFUSION - INITIATE: apply tourniquet to extremity, cleanse site, perform venipuncture and connect IV tubing, apply dressing, and tape securely. Calculate and regulate flow rate, record at site, on bag and on Intake and Output Record. (S 1505)

CODE

- 2074 INTRAVENOUS INFUSION - IV CATHETER CARE: remove dressing from IV catheter site, cleanse skin, apply ointment, replace dressing and then date, time and initial the dressing, change IV tubing. (S1508)
- x816 INTRAVENOUS INFUSION - IV PUSH MEDICATION: select site for injection of solution utilizing existing system, administer IV solution. (S 1507)
- x817 INTRAVENOUS INFUSION - PIGGY-BACK MEDICATION: select site for administration of solution utilizing existing system, record on Intake and Output record. (S 1509)
- x819 INTRAVENOUS OR ARTERIAL LINE - TERMINATION: remove dressing and terminate IV or arterial catheter/needle, apply pressure to site, and record on Intake and Output Record. (S 1510)
- x807 INSTILLATION OF DROPS - EYE: position patient, instill eye drops. (S 1705)
- x822 ORAL MEDICATION: obtain a glass of water and administer the oral medication. (S 2101)
- x823 SUBCUTANEOUS: locate site for injection, administer medication. (S 2103)
- x826 SUPPOSITORY, RECTAL/VAGINAL: prepare and administer suppository. (S 2104)
- x827 TOPICAL: reposition patient, locate and expose site for topical application of medication, apply medication. (S2105)

DIAGNOSTIC TESTS

- x712 HEMATOCRIT: upon obtaining the blood sample, process, assess, and record the results. (S 2211)
- x713 HEMOCCULT OR GUAIAC TESTING - FECES/VOMITUS/ GI DRAINAGE: upon obtaining sample, test sample for occult blood, record results. (S 2209r)

CODE

- x715 LUMBAR PUNCTURE: obtain consent; assist with procedure; observe and record neurological status; assess puncture site, patient response; V.S. q 15" till stable; instruct patient on positioning (flat); send laboratory specimens as ordered. (S2202r)
- x729 URINE TESTING - CHEMSTRIP: upon arrival at bedside, collect urine sample, utilizing test strip, compare/record results of test strip against standard chemistry. (S 2204)
- x731 URINE TESTING - SPECIFIC GRAVITY: collect urine sample and utilizing a urometer, measure specific gravity, record results. (S 2206)
- x739 X-RAY PROCEDURE, NON-FLUOROSCOPY, ASSIST: prepare and position patient, wear shield appropriately.

CARDIOPULMONARY

- x701 ARTERIAL PUNCTURE - BLOOD GASES: locate arterial puncture site, perform puncture and draw blood, and then place sample on ice, Apply pressure to puncture site; label sample. (S 1503)
- x704 CARDIAC MONITOR: attach patient to monitor, turn on, and observe monitor and/or monitor strips as required.
- E019 CENTRAL VENOUS PRESSURE: position patient and assess sternal angle, measure pressure, restore equipment to original position, and record results. (S 1004)
- E026 COUGH AND DEEP BREATHE: instruct to patient cough and deep breathe, if cough productive then dispose of sputum. (S1419)
- Z075 ELASTIC STOCKINGS: expose lower extremities, and then put elastic stockings on lower extremities. (S 1512)
- E028 INCENTIVE SPIROMETER: assist patient during the procedure to determine proper usage of spirometer. (S 1420)
- x716 MONITOR LEADS APPLICATION/EXCHANGE: exchange leads/or apply new leads. (S 1001)
- E030 OXYGEN ADMINISTRATION - MASK: turn on oxygen, fit the mask over the mouth and nose, adjust headband, evaluate fit and patient's adjustment to the equipment, and regulate oxygen flow rate. (S1402)

CODE

- x319 PULMONARY ASSESSMENT: upon arrival initiate assessment by auscultation of the lungs, and/or percussion of the chest wall over the involved areas. Assess symmetry of chest and determine if respiratory movement is abdominal or thoracic. (S 1202)
- x720 RHYTHM STRIP - MONITOR: obtain 20-second strip, record name, date and time, then file for future use. (S 1002)
- x538 SUCTIONING, BULB SYRINGE: utilize the bulb syringe to suction the nose and/or mouth. (S 1426)
- E035 SUCTIONING - ORAL: suction oral cavity with suction catheter/oral suction tip, flush catheter before and after each aspiration, replace used equipment. (S 1411)
- x732 VENIPUNCTURE - BLOOD CULTURE: apply tourniquet to extremity, cleanse site, perform venipuncture and withdraw blood sample. Apply pressure to puncture site; then label sample. (S 1502)
- x733 VENIPUNCTURE - BLOOD SAMPLE: apply tourniquet to extremity, cleanse site, perform venipuncture and withdraw blood sample, and then apply pressure to puncture site. Apply labels on blood tubes. (S 1501)

EMERGENCY PROCEDURES

- x901 AIRWAY INSERTION: insert airway, assess patency of airway; assess respirations.
- x902 CARDIOPULMONARY RESUSCITATION: upon arrival at bedside, perform any or all aspects of cardiopulmonary resuscitation,
- x904 RESPIRATORY RESUSCITATION: check all equipment, assist physician and insertion of endotracheal/tracheostomy tube, bag breathe as indicated, connect respirator. (S 1416)
- x905 SEIZURE CARE: upon arrival in the patient's area, place padded tongue blade in position, and support patient during the seizure. (S 1810)

INDEX OF NURSING ACTIVITIES BY CATEGORY

<u>CODE</u>	<u>OBSTETRICS</u>
Z001	Adjust ultrasonic transducer/tocotransducer
Z002	Amniocentesis, assist
Z003	Amniotomy. assist
Z004	Cesarean section, assist
Z005	Changing perineal pad
Z006	Comfort measures
Z007	Dilatation and effacement assessment, assist
Z008	Dilatation and effacement, initial check and intake, assist
Z009	Dilatation and effacement, initial check and intake, (RN)
Z010	Dilatation and effacement, labor check with V.S. (RN)
Z011	Dilatation and effacement, labor check without V.S. (RN)
Z012	Fetal electrode insertion, assist
Z013	Fetal electrode insertion (RN)
Z014	Fetal electrode insertion/intrauterine catheter insertion assist
Z015	Fetal electrode insertion/intrauterine catheter insertion, (RN)
x208	Fetal heart tones, doppler
x209	Fetal heart tones, manual
Z016	Fetal scalp blood sample, assist
x546	Fleets enema
Z017	Fundus massage, (post-partum)
Z018	General anesthesia, recovery of post-partum patient
Z019	Internal or external monitoring - uterine activity fetal heart tones
Z020	Intrauterine catheter insertion
Z021	Intrauterine catheter insertion, assist
Z022	Intravenous titration of medication
Z023	Local anesthesia, recovery of post partum patient
Z024	Manual assessment of contraction
Z025	
Z026	Monitoring fetal heart tones, ultrasonic transducer
Z027	Newborn care

CODE

Z028	Newborn identification procedure
M004	Nipple stimulation contraction test
M005	Non-stress test
Z029	OB sick call
Z030	Observation/assessment/coaching, 2nd stage of labor
M006	Oxytocin challenge test
Z031	Perineal suture care
Z032	Pitocin induction, assist
Z033	Pitocin induction, (RN)
Z034	Post partum tubal ligation, (performed on labor deck, assist)
Z035	Regional anesthesia, recovery of post partum patient
Z036	Support during contraction
Z037	Teaching - breast care
Z038	Teaching - breast feeding
Z039	Teaching - perineal suture care
Z001	Tocotransducer/transducer, adjustment
Z040	Tocotransducer - application
Z041	Tocotransducer and ultrasonic transducer - application
Z042	Toxemia checks (RN)
M007	Ultrasound
Z043	Ultrasound, assist
M008	Ultrasound, biophysical profile, assist
Z044	Ultrasonic transducer - application
Z045	Vaginal delivery in birthing room
Z046	Vaginal delivery in delivery room
Z047	Vaginal delivery, recovery of patient (without anesthesia)

<u>CODE</u>	<u>GENERAL PROCEDURES</u>
Z048	AM care
Z049	AM care, partial
Z050	Back rub
Z052	Bathing, complete
Z053	Bathing, supplies provided
x513	Catheterization - Foley
x724	Catheterization - straight
Z054	Change chux
Z055	Change top sheet
x502	Collect valuables/personal effects
E002	Death care
Z056	Foley catheter care
x514	Foley catheter removal
Z057	Heat lamp
E004	Isolation, gowning, and gloving
x529	Occupied bed linen change
Z058	Oral hygiene
Z059	Perineal care
x510	Reinforce dressing
Z060	Shower - assist/stand-by
Z061	Sitz bath
x539	Surgical prep, local
x548	Unoccupied bed linen change
x736	Urine specimen - Foley
x617	Urine specimen - routine/clean catch
x537	Vaginal/pelvic exam (stand by)

MOBILITY

Z062	Adjust position of bed
x401	Adjust restraint
x531	Adjust side rail
x531	Change patient's position in bed
E003	Fowlers/Trendelenburg position
Z063	Mobility - ambulating first time
Z064	Mobility - assist while walking
Z065	Mobility - bed to chair
Z066	Mobility - bed to commode
Z067	Mobility - bed to standing position
Z068	Mobility - bed to stretcher
x412	Mobility - to sitting on side of bed

PSYCHOLOGICAL

x601	Answer patient's questions
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CODE

x602	Explain procedures and tests
Z069	Orientation to clinical unit
x620	Visit with patient/purposeful interaction

WEIGHTS/MEASURES

x202	Ambulatory weight
x203	Automated B/P and pulse monitor
Z070	Bed scale weight
x204	Blood pressure, manual
x216	Oral temperature, pulse and respirations
x217	Oral temp, pulse, resp, and manual B/P
x219	Pulse - apical
x220	Pulse - doppler
x221	Pulse - pedal, femoral, popliteal
x222	Pulse - radial, brachial
x223	Rectal/axillary temperature, apical pulse and resp.
x226	Respirations
x227	Temperature - axillary, electronic, mercury
x228	Temperature - oral, electronic/mercury
x229	Temperature - rectal, electronic/mercury

NUTRITION

x512	Fluid
x212	Measuring and recording intake
Z071	Serving meal tray
Z072	Snack

ELIMINATION

x515	Bedpan, assist
x519	Incontinent care
x213	Measuring and recording output - drainage bottles all types
x214	Measuring and recording output - liquid feces, vomitus
x215	Measuring and recording output - urine

MEDICATION/IV THERAPY

Z073	Heparin lock (initiate)
x809	Intramuscular, narcotic
x810	Intramuscular, non-narcotic
x811	Intravenous infusion - blood, blood products

CODEMEDICATION/IV THERAPY

x812	Intravenous infusion - change IV bag/bottle
x829	Intravenous infusion - check/fix
x813	Intravenous infusion - flow rate
x814	Intravenous infusion - infusion pump set-up
x815	Intravenous infusion - initiate
Z074	Intravenous infusion - IV catheter care
x816	Intravenous infusion - IV push medication
x817	Intravenous infusion - piggyback medication
x819	Intravenous or arterial line - termination
x807	Instillation of drops - eye
x822	Oral medication
x823	Subcutaneous
x826	Suppository, rectal/vaginal
x827	Topical

DIAGNOSTIC TESTS

x712	Hematocrit
x713	Hemoccult or guaiac testing - feces/vomit/GI drainage
x715	Lumbar puncture
x729	Urine testing - chemstrip
x731	Urine testing - specific gravity
x739	X-ray procedure non-flouroscopy, assist

CARDIOPULMONARY

x701	Arterial blood gases
x704	Cardiac monitor
E019	Central venous pressure
E026	Cough and deep breath
Z075	Elastic stockings
E028	Incentive spirometer
x716	Monitor leads application/exchange
E030	Oxygen administration - mask
x319	Pulmonary assessment
x720	Rhythm strip - monitor
x538	Suctioning, bulb syringe
E035	Suctioning, oral
x732	Venipuncture - blood culture
x733	Venipuncture - blood sample

EMERGENCY PROCEDURES

x901	Airway Insertion
x902	Cardiopulmonary resuscitation
x904	Respiratory resuscitation with ambu
x905	Seizure care

INDEX OF ALL ACTIVITIES

<u>CODE</u>		<u>SHERROD</u>
Z062	Adjust position of bed	S0502
x401	Adjust restraint	S401
x529	Adjust side rail	S505
Z001	Adjust ultrasonic transducer/tocotransducer	S2435
x901	Airway insertion	
Z048	AM care	S0104
Z049	AM care, partial	S0113
x202	Ambulatory weight	S0901
Z002	Amniocentesis, assist	S2425r
Z003	Amniotomy, assist	S2423
x601	Answer patient questions	S0703
x701	Arterial - blood gas	S1503
x203	Automated B/P and pulse monitor	
Z050	Back rub	S1617
Z052	Bathing, complete	S101
Z053	Bathing, supplies provided	S0113
Z070	Bed scale weight	S0902
x515	Bedpan, assist	S0305
x702	Blood - dextrostix	
x204	Blood pressure manual	S0801
x703	Blood sample - lancet	
x704	Cardiac monitoring	
x902	Cardiopulmonary resuscitation	
x513	Catheterization - Foley	
x724	Catheterization - straight	
E019	Central venous pressure	
Z004	Cesarean section, assist with	
Z054	Change bed	S0118
x531	Change patient position in bed	
Z005	Change perineal pad	
Z055	Change top sheet	S0117
x502	Collect valuables/personal effects	
Z006	Comfort measures	
E026	Cough and deep breathe	
E002	Death care	S1621
Z007	Dilatation & effacement assessment, assist	
Z008	Dilatation & effacement, initial check and intake, assist	
Z009	Dilatation & effacement, initial check and intake (RN)	
Z010	Dilatation & effacement, (labor check with VS) (RN)	
Z011	Dilatation & effacement (labor check without VS) (RN)	

<u>CODE</u>		<u>SHERROD</u>
Z075	Elastic stockings	S1512
x602	Explain procedures and tests	S0702
Z012	Fetal electrode insertion, assist	
Z013	Fetal electrode insertion (RN)	
Z014	Fetal electrode insertion/intrauterine catheter insertion, assist	
Z015	Fetal electrode insertion/intrauterine catheter insertion, (RN)	
x208	Fetal heart tones doppler	
x209	Fetal heart tones manual	
Z016	Fetal scalp blood sample, assist	
x546	Fleets enema	
x512	Fluid	S202
Z056	Foley catheter care	S1903
x514	Foley catheter removal	S1907
x513	Foley catheterization	
E003	Fowlers/trendelenburg position	S507
Z017	Fundus masage	
Z018	General anesthesia, recovery of post-partum patient	
Z057	Heat lamp	S1616
x712	Hematocrit	
x713	Hemoccult/guaiac testing - feces/vomitus/drainage	S2209
Z073	Heparin lock, initiate	
x516	Ice pack	
E028	Incentive spirometer	S1420
x519	Incontinent care	
x807	Instillation of drops - eyes	S1705
x212	Intake and output	
Z019	Internal or external monitoring - uterine activity/FHT's	
x809	Intramuscular - narcotic	
x810	Intramuscula - non-narcotic	
Z020	Intrauterine catheter insertion	
Z021	Intrauterine catheter insertion, assist	
Z022	Intravenous titration of medication	
E004	Isolation gown and gloves	
x812	IV - change IV bottle/bag	
x829	IV - check and fix	
x813	IV - flow rate	
x811	IV infusion - blood or blood products	
x816	IV infusion IV push medications	
x815	IV infusion initiate	

CODESHERROD

x817	IV infusion-piggybacks	
x814	IV infusion pump set up	
Z074	IV -IV catheter care	
x819	IV or arterial line - termination	
x527	Linen change	
Z023	Local anesthesia, recovery of post-partum patient	
x715	Lumbar puncture	
Z024	Manual assessment of contraction	
x215	Measure/record output - urine	
x213	Measuring/record output - drainage bottles, all types	S0304
x212	Measuring & recording intake	
x214	Measuring & recording output - liquid feces or vomitus	S0302r
x215	Measuring & recording output - urine	
Z063	Mobility - ambulating first time	S0401
Z064	Mobility - assist while walking	S0405
Z065	Mobility - bed to chair	S0403
Z066	Mobility - bedside commode	
		S0404
Z067	Mobility - bed to standing position	S0402
Z068	Mobility - bed to stretcher	S0504
Z071	Mobility - dangle/sit on side of bed, assist	S0406
x412	Mobility - to sitting on side of bed	
x716	Monitor lead application/exchange	S2001
Z026	Monitoring fetal heart tones, ultrasonic transducer	
Z027	Newborn care	
Z028	Newborn identification procedure	
M004	Nipple stimulation contraction test	
M005	Non-stress test	
Z029	OB sick call	
Z030	Observation/assessment coaching, 2nd stage of labor	
x529	Occupied bed linen change	S0109
Z058	Oral hygiene	
x822	Oral medication	S2101
x216	Oral temperature pulse, and respiration	S0808
x217	Oral temperature pulse, resp, and manual B/P	
Z069	Orientation to clinical unit	S0701
E030	Oxygen administration - mask	S1402
M006	Oxytocin challenge test	

<u>CODE</u>		<u>SHERROD</u>
Z059	Perineal care	S1906
Z031	Perineal suture care	
Z032	Pitocin induction, assist	
Z033	Pitocin induction (RN)	
Z034	Post partum tubal ligation performed on labor deck, assist	
x319	Pulmonary assessment	S1202
x219	Pulse - apical	
x220	Pulse - doppler	
x221	Pulse - pedal, femoral, popliteal	
x222	Pulse - radial/brachial	
x223	Rectal/ax. temp., apical pulse and respiration	
Z035	Regional anesthesia, recovery of post-partum patient	
x510	Reinforce dressing	S1606
x226	Respirations	
x904	Respiratory resuscitation	S1416
x720	Rhythm strip - monitor	S1002
x905	Seizure care	
E005	Seizure precautions	
Z071	Serving meal tray	S204
Z060	Shower, assist/stand-by	S0115
Z061	Sitz bath	S1612
Z072	Snack	S203
x823	Subcutaneous	
x538	Suctioning, bulb syringe	S1426
E035	Suctioning, oral	
Z036	Support during contraction	
x826	Suppository, rectal or vaginal	
x539	Surgical prep, local	S1613
Z037	Teaching - breast care	
Z038	Teaching - breast feeding	
Z039	Teaching - perineal suture care	
x227	Temperature - axillary, electronic/mercury	S0807
x228	Temperature - oral electronic/mercury	S0805
x229	Temperature - rectal electronic, mercury	S0806
Z040	Tocotransducer - application	
Z041	Tocotransducer and ultrasonic transducer application	
x827	Topical	
Z042	Toxemia checks (RN)	
M007	Ultrasound	
Z043	Ultrasound, assist	
M008	Ultrasound, biophysical profile	
Z044	Ultrasonic transducer - application	
X546	Unoccupied bed linen change	

<u>CODE</u>		<u>SHERROD</u>
x730	Urine specific gravity	S2206
x736	Urine specimen - Foley	S1905
x617	Urine specimen - routine/clean catch	S1904
x729	Urine testing - chemstrip	
x731	Urine testing, specific gravity	
Z045	Vaginal delivery in birthing room	
Z046	Vaginal delivery in delivery room	
Z047	Vaginal delivery, recovery of patient without	anesthesia
x537	Vaginal/pelvic exam (stand-by)	S1910
x732	Venipuncture - blood culture	S1502
x733	Venipuncture - blood samples	S1501
x620	Visit with patient/purposeful interaction	S0704
x739	X-ray procedure, non-fluoroscopy, assist	

APPENDIX A

The Sherrod Code identified at the end of the operational definitions (S xxxx) corresponds to activities previously defined in the Nursing Care Hour Standards Study (Sherrod, Rauch, & Twist, 1981). The letter "r" by this number code (S xxxx r) denotes a similar patient care activity title but a change or revision in definition.

The operational definitions in ambulatory care and obstetric services will include many patient care activities that were timed in the Sherrod study. The operational definitions in the inpatient nursing care hours study were used to time nursing care activities that were "carried out in the presence of the patient" (Sherrod, 1981, p. 4). The code is referenced to allow comparisons between the data. However, the direct patient care activities timed in both ambulatory care and obstetric services will not be confined to those aspects of direct care activities carried out in the presence of a patient. Times for patient care activities will be recorded on a laptop computer capable of documenting time for needed for the preliminary paperwork, the preparation of medications, supplies, and equipment, the procedure itself, the documentation of the procedure, and cleanup of care site and materials.

APPENDIX B

THE CODING SYSTEM OF
AMBULATORY CARE NURSING ACTIVITIES

The Workload Management System for Nursing (WMSN) is a patient classification/staffing system operational in the inpatient areas of 36 Navy and 50 Army hospitals. The Ambulatory Care Project hopes to extend the WMSN into the emergency and outpatient departments of shore based Naval medical treatment facilities.

In preparation for work measurement studies and the operational defining of direct care nursing activities, nursing experts were consulted and a literature review was conducted (Calkin, Wallace, Chewning, & Gustafson, 1975; Jenkins & van de Leuv, 1978; Kukuk & Murphy, 1980; Sherrod, Rauch, & Twist, 1981; and Naval Medical Command, 1985). In addition, a survey of 567 registered nurses working in emergency and outpatient departments of Naval medical treatment facilities was conducted in FY 86 (Warren, Styer, & Sturm, 1987). The coding system was developed to simplify identification of activities for timing on laptop computers.

The four digit code refers to the clinical area (A - Z), the type of activity (1 - 9, plus 0 for Specialty procedures), and the alphabetized list of activities (1-99).

The ambulatory care operational definitions manual consists of activities in the following clinical areas studied in FY 87:

Emergency Department	Orthopedic Clinic
Gastroenterology Clinic	Pediatric Clinic
Immunization/Allergy Clinic	Primary Care Clinic (FPC,
Internal Medicine Clinic	MSC, Acute Care)
Obstetrics/Gynecology Clinic	Surgery Clinic (Gen.,Plastic)

Activities found in specialized areas are defined in the manual under Specialty Procedures. Activities found commonly in several clinical areas are described in nine other general areas of responsibility:

x100 - Log In/Out	x600 - Instruction/Teaching
x200 - Weights/Measures	x700 - Diagnostic/Tests
x300 - Assessment	x800 - Medications/IV therapy
x400 - Transport/Safety	x900 - Emergency Procedures
x500 - Gen Procedures/Trtmnts	x000 - Specialty Procedures

The activities to be timed are listed alphabetically and numbered consecutively under the appropriate area of responsibility: eg., x101, x102, 103.... Observers enter the ER or clinic letter in place of the "x:"

A000 - Aviation Medicine	N000 - Occupational Health
B000 - Blood Bank	O000 - Ophthalmology
C000 - Cardiology	P000 - Oral Surgery
D000 - Dermatology	Q000 - Orthopedic
E000 - Emergency Dept	R000 - Otolaryngology
F000 - Gastroenterology	S000 - Pediatric
G000 - Hematology/Oncology	T000 - Physical Exam Clinic
H000 - Immunization/Allergy	U000 - PCC/FPC/MSD/MAC
I000 - Int.Medicine/Endocrin.	V000 - Pulmonary
J000 - Nephrology	W000 - Rheumatology
K000 - Neurology	X000 - Surg.(Gen/Plas/Neuro)
L000 - NP/Alcohol Recovery	Y000 - Urology
M000 - Obstetrics/Gynecology	Z000 - Other (e.g., Labor and Delivery)

REFERENCES

Campany, J. and Rossi, M. (1984). Patient classification in the Labor and Delivery Room. Unpublished study.

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Warren, C.S., Sturm, M. K., and Styer, D.J. (1987). Operational definitions of ambulatory care nursing activities: Phase II of the Workload Management System for Nursing Ambulatory Care Project. Bethesda, MD: Naval School of Health Sciences.

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